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## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

## LISTING OF CLAIMS:

- 1. (currently amended): A medical composition,
  comprising:
  - a peptide capable of being labeled with a metal and
- a basic organic compound acceptable as a pharmaceutical additive wherein the basic organic compound is a basic amino acid or a basic compound having an imidazole ring wherein the peptide capable of being labeled with a metal is a compound represented by chemical formula (1):
- Z-Y-Leu-Phe-(X) n-Lys $(NH_2)$  m- $\epsilon$ (-(R) o-(T) l-U) (1) wherein in formula (1),
- Z represents a protecting group for an amino group;
- Y represents Met or Nle;
- in (X)n, X represents a spacer consisting of one or more amino acids or a compound capable of being organically synthesized, and n represents 1 or 0;
- in  $(NH_2)m$ ,  $NH_2$  represents an amide group serving as a protecting group for an  $\alpha$ -carboxyl group of Lys, and m represents 1 or 0; and
- in  $\epsilon(-(R)\circ-(T)1-U)$ , R represents Ser or Thr bound via amide bond with an  $\epsilon$ -amino group of Lys,
- o represents 1 or 0,
- T represents a spacer consisting of one or more amino

acids or a compound capable of being organically synthesized,

l represents 1 or 0, and U represents a group capable of being

labeled with a metal,

provided that X and T may be identical or different.

Claims 2 and 3 (canceled).

- 4. (currently amended): The medical composition according to claim 31, wherein the basic amino acid is one or more members selected from arginine, histidine, and lysine.
- 5. (currently amended): The medical composition according to claim 31, wherein the basic compound having an imidazole ring is imidazole.
- 6. (currently amended): The medical composition according to any of claims 1 to 5claim 1, wherein the peptide capable of being labeled with a metal is a peptide available as an active ingredient in a diagnostic drug or a pharmaceutical drug for therapeutic use.
- 7. (currently amended): The medical composition according to any of claims 1 to 6 claim 1, wherein the peptide capable of being labeled with a metal has 30 or less amino acid residues or a molecular weight of 4500 or less.
- 8. (original): The medical composition according to any of claims 1 to 7claim 1, wherein the peptide capable of being labeled with a metal is a leukocyte-binding compound.

  Claim 9 (canceled).
- 10. (currently amended): The medical composition according to claim 91, wherein in chemical formula (1), U represents a group capable of being labeled with a metal

selected from a tripeptide capable of being labeled with a metal, dipeptide-mercapto-acylate, a nitrogen-containing cyclic compound having 8 to 20 carbon atoms, a nitrogen-containing cyclic carboxylic acid compound having 8 to 20 carbon atoms, a derivative of a nitrogen-containing cyclic carboxylic acid compound having 8 to 20 carbon atoms, and alkylene-amine-carboxylic acid having 4 to 10 carbon atoms.

11. (currently amended): The medical composition according to claim 9 or 1010, wherein in chemical formula (1), U represents a group capable of being labeled with a metal selected from -Cys-Gly-Asp, -Cys-Asp-Asp, -Cys-Asp-Gly, -Cys-Gly-Glu, -Cys-Glu-Glu, -Cys-Glu-Gly, -Cys-Gly-Asn, -Cys-Asn-Asn, -Cys-Asn-Gly, -Cys-Gly-Gln, -Cys-Gln-Gln, -Cys-Gln-Gly, -Cys-Gly-Lys, -Cys-Lys-Lys, -Cys-Lys-Gly, -Cys-Gly-Arg, -Cys-Arg-Arg, -Cys-Arg-Gly, -Asp-Asp-mercaptoacetyl, -Gly-Aspmercaptoacetyl, -Gly-Gly-mercaptoacetyl, 1,4,7,10tetraazacyclododecane (Cyclen), 1,4,8,11tetraazacyclotetradecane (Cyclam), 1,4,8,12tetraazacyclopentadecane, 1,4,8,11-tetraazacyclotetradecane-5,7-dione (Dioxocycam), 1,4,8,11-tetraazacyclotetradecane-1,4,8,11-tetraacetic acid (TETA), 1,4,7,10tetraazacyclododecane-N, N', N'', N'''-tetraacetic acid (DOTA), 1,4,8,11-tetraazacyclotetradecane-5,7-dione-N,N',N'',N'''tetraacetic acid, 1,4,7,10-tetraazacyclododecane-butyric acid, 1,4,8,10-tetraazacyclododecane-butyric acid, 1,4,7,10-tetraazacyclododecane-1-aminoethylcarbamoylmethyl-4,7,10-tris[R,S]-methylacetic acid (DO3MA), 1,4,7,10-

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tetraazacyclododecane-1,4,7,10- $\alpha$ , $\alpha'$ , $\alpha''$ , $\alpha'''$ -tetramethylacetic acid (DOTMA), ethylenediaminetetraacetic acid (EDTA), diethylenetriaminepentaacetic acid (DTPA), triethylenetetraminehexaacetic acid and ethylene glycol-(2-aminoethyl)-N,N,N',N'-tetraacetic acid (EGTA).

- 12. (currently amended): The medical composition according to any of claims 9 to 11claim 10, wherein in chemical formula (1), Z represents a formyl group.
- 13. (currently amended): The medical composition according to any of-claims-1 to 12 claim 1, wherein the peptide capable of being labeled with a metal is selected from N-formyl-Nle-Leu-Phe-Nle-Tyr-Lys (NH<sub>2</sub>) - $\epsilon$ (-Ser-Cys-Gly-Asn) (SEQ ID NO:1),

N-formyl-Nle-Leu-Phe-Nle-Tyr-Lys (NH<sub>2</sub>) - $\epsilon$  (-Ser-Cys-Gly-Asp) (SEQ ID NO:2),

N-formyl-Nle-Leu-Phe-Nle-Tyr-Lys-ε(-Ser-Cys-Asp-Asp) (SEQ ID NO:3),

N-formyl-Nle-Leu-Phe-Nle-Tyr-Lys (NH<sub>2</sub>) - $\epsilon$  (-Ser-D-Arg-Asp-Cys-Asp-Asp) (SEQ ID NO:4),

N-formyl-Nle-Leu-Phe-Nle-Tyr-Lys (NH<sub>2</sub>) -e (-Ser-D-Arg-diethylenetriaminepentaacetic acid (DTPA)) (SEQ ID NO:5), N-formyl-Met-Leu-Phe-Lys- $\epsilon$ (-Asp-Asp-mercaptoacetyl) (SEQ ID

N-formyl-Met-Leu-Phe-Lys- $\epsilon$ (-Gly-Asp-mercaptoacetyl) (SEQ ID NO:8), and

N-formyl-Met-Leu-Phe-Lys- $\epsilon$ (-Gly-Gly-mercaptoacetyl) (SEQ ID NO:9).

- 14. (currently amended): The medical composition according to any of claims 1 to 13 claim 1, wherein the composition further comprises one or more additives selected from a reductant, pH adjuster, surfactant, hydrophilic organic solvent, and stabilizer.
- 15. (currently amended): A freeze-dried medical composition characterized in that the composition is obtained by freeze-drying a medical composition according to any of claims 1 to 14 claim 1.
- 16. (currently amended): A medical preparation characterized in that the preparation is obtained by labeling, with a metal, a peptide capable of being labeled with a metal in a medical composition according to any of claims 1 to 15 claim 1.
- 17. (original): The medical preparation according to claim 16, wherein the metal is a radioactive metal or paramagnetic metal.
- 18. (original): The medical preparation according to claim 17, wherein the radioactive metal is selected from Tc-99m, In-111, Ga-67, Y-90, Sn-117m, Sm-153, Re-186, and Re-188.
- 19. (original): The medical preparation according to claim 17, wherein the paramagnetic metal is selected from Gd, Fe, Mn, Cu, and Dy.
- 20. (original): A method for labeling, with a metal, a peptide capable of being labeled with a metal, comprising the steps of:

dissolving the peptide in an aqueous solvent of a basic

organic compound; and then

labeling the resulting product with a metal.

- 21. (original): The metal-labeling method according to claim 20, wherein the peptide capable of being labeled with a metal is a peptide insoluble or poorly soluble in an aqueous solvent.
- 22. (currently amended): The metal-labeling method according to claim 20 or 21, wherein the basic organic compound is a basic amino acid or a basic compound having an imidazole ring.
- 23. (original): The metal-labeling method according to claim 22, characterized in that the basic amino acid is one or more members selected from arginine, histidine, and lysine.
- 24. (original): The metal-labeling method according to claim 22, wherein the basic compound having an imidazole ring is imidazole.
- 25. (currently amended): The metal-labeling method according to any of claims 20 to 24claim 20, characterized in that the metal is a radioactive metal or paramagnetic metal.
- 26. (original): The metal-labeling method according to claim 25, wherein the radioactive metal is selected from Tc-99m, In-111, Ga-67, Y-90, Sn-117m, Sm-153, Re-186, and Re-188.
- 27. (original): The metal-labeling method according to claim 25, wherein the paramagnetic metal is selected from Gd, Fe, Mn, Cu, and Dy.
- 28. (currently amended): A method for producing a medical preparation comprising a metal-labeled peptide, characterized

## PRELIMINARY AMENDMENT

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by using a metal-labeling method according to any of claims 20 to 27claim 20.